COTTON CHATS

DRAPER COMPANY, HOPEDALE, MASS.

COTTON CHATS

DRAPER COMPANY HOPEDALE MASS.

NO. 99 JANUARY, 1911.

CIRCUIT COURT OF THE UNITED STATES.

FINAL DECREE.

Our case against the American Loom Company for infringement of Rhoades patent 454,791, dated June 23, 1891, has been disposed of by the entry of a final decree on January 30, and **the payment to us by defendant of a very considerable sum** in lieu of damages, profits and costs of suit. The patent expired in 1908, just after the decision of the Court of Appeals sustaining the patent, so that the only question between the parties was that of a money payment; but **we desire,** in this connection, **to warn purchasers of looms** that **we have other infringement suits pending against the Stafford Company,** the successor in business of the American Loom Company, which are being actively prosecuted. We wish it to be fully understood that, if any of these patents should be sustained, we should have a right to injunction, not only against the continued manufacture and sale of the infringing devices by the Stafford Company, but against the continued use of such devices by purchasers from the Stafford Company. We should feel obliged to enforce these rights.

NORTHROP LOOMS

IN THE UNITED STATES

INCLUDING ORDERS TO JANUARY 1, 1911.

Name.	Location.	Quantity
ABBEVILLE COTTON MILLS,	Abbeville, S. C.	940
Ackerly, Paul,	Vernon, Conn.	48
Acushnet Mill Corp.,	New Bedford, Mass.	417
Adams Mfg. Company,	No. Scituate, R. I.	37
Aiken Mfg. Company,	Bath, S. C.	38
Akron Mfg. Company,	Bessemer City, N.C.	96
Alabama Cotton Mills,	Speigners, Ala.	112
Albany Cotton Mills Co.,	Albany, Ga.	260
Aldrich Brothers,	Moosup, Conn.	200
Alice Mills,	Easley, S. C.	500
American Linen Company,	Fall River, Mass.	204
American Spinning Company,	Greenville, S. C.	1056
American Textile Company,	Atco, Ga.	802
Amoskeag Mfg. Company,	Manchester, N. H.	2759
Anderson Cotton Mills,	Anderson, S. C.	724
Androscoggin Mills,	Lewiston, Maine.	986
Appleton Company,	Lowell, Mass.	624
Aragon Cotton Mills,	Rock Hill, S. C.	560
Aragon Mills,	Aragon, Ga.	220
Arcade Cotton Mills,	Rock Hill, S. C.	192
Arcadia Mills,	Spartanburg, S. C.	600
Arlington Mills,	Lawrence, Mass.	372
Asheville Cotton Mills,	Asheville, N. C.	30
Ashland Cotton Company,	Jewett City, Conn.	16
Ashland Company,	Ashland, R. I.	21
Atlanta Woolen Mills,	Atlanta, Ga.	14
Atlantic Cotton Mills,	Lawrence, Mass.	749
Atlantic Mills,	Providence, R. I.	1
Attawaugan Mills,	Killingly, Conn.	196
Augusta Factory,	Augusta, Ga.	105
Aurora Cotton Mills,	Aurora, Ill.	96
Avondale Mills,	Birmingham, Ala.	942
BACHMAN, L., & COMPANY,	Uxbridge, Mass.	66
Bancroft, Joseph & Sons Co.,	Wilmington, Del. and Reading, Pa.	168
Barber-Coleman Co.,	Boston, Mass.	1
Barker Cotton Mills Co.,	Mobile, Ala.	325
Bates Mfg. Co.,	Lewiston, Maine.	330
Beaumont Mfg. Co.,	Spartanburg, S. C.	700
Bellwill Cotton Mills,	Wilmington, N. C.	60
Belton Mills,	Belton, S. C.	1394
Bennett Spinning Co.,	New Bedford, Mass.	1
Berkeley Company,	Berkeley, R. I.	384
Berkshire Cotton Mfg. Co.,	Adams, Mass.	224
Blackstone Mfg. Co.,	Blackstone, Mass.	1184
Boott Mills,	Lowell, Mass.	1528
Borden, Richard, Mfg. Co.,	Fall River, Mass.	1282
Boston Duck Company,	Bondsville, Mass.	181
Boston Mfg. Co.,	Waltham Mass.	508
Botany Worsted Mills,	Passaic, N. J.	30
Bourne Mills,	Fall River, Mass.	2060
Boyd, John S., Co.,	Williamstown, Mass.	48
Bradford Durfee Textile School,	Fall River, Mass.	8
Brandon Mills,	Greenville, S. C.	2000
Bristol Mfg. Corp.,	New Bedford, Mass.	1
Brogon Cotton Mills,	Anderson, S. C.	366
Brookford Mills,	Brookford, N. C.	162
Brookside Mills,	Knoxville, Tenn.	1158
Brower & Love Bros.,	Indianapolis, Ind.	102
Burgess Mills,	Pawtucket, R. I.	1419
CABARRUS COTTON MILLS,	Concord, N. C.	542
Cabot Mfg. Co.,	Brunswick, Maine.	204
Calhoun Mills,	Calhoun Falls, S. C.	600
California Cotton Mills Co.,	Oakland, Cal.	38
Cannon Mfg. Co.,	Concord and Kannapolis, N. C.	486
Capital City Mills,	Columbia, S. C.	352
Carhartt Cotton Mills, Hamilton,	Rock Hill, S. C.	2
Carolina Mills,	Greenville, S. C.	396
Chadwick-Hoskins Co.,	Charlotte, N. C.	1830
Cherokee Falls Mfg. Co.,	Cherokee Falls, S. C.	320
Chesnee Mills,	Chesnee, S. C.	440
Chicopee Mfg. Co.	Chicopee Falls, Mass.	774
Chiquola Mfg. Co.,	Honea Path, S. C.	1000
Clemson College,	Calhoun Station, S. C.	2
Clifton Mfg. Co.,	Clifton, S. C.	1000
Clinton Cotton Mills,	Clinton, S. C.	530
Colonial Mills,	Dickeyville, Md.	40
Columbia Cotton Mills Co.,	Columbia, Tenn.	102
Columbia Mfg. Co.,	Ramseur, N. C.	168
Columbian Mfg. Co.,	Greenville, N. H.	272

Name.	Location.	Quantity
Columbus Mfg. Co.,	Columbus, Ga.	1320
Columbus School,	Columbus, Ga.	1
Conestee Mills,	Conestee, S. C.	153
Continental Mills,	Lewiston, Maine.	691
Converse Co., D. E.	Glendale, S. C.	550
Cordis Mills,	Millbury, Mass.	204
Courtenay Mfg. Co.,	Newry, S. C.	348
Coventry Company,	Anthony, R. I.	2
Covington Mills,	Covington, Ga.	48
Cowikee Mills,	Eufaula, Ala.	320
Cowpens Mfg. Co.,	Cowpens, S. C.	142
Crompton Co.,	Crompton, R. I.	2
Crown Cotton Mills,	Dalton, Ga.	1
DACOTAH COTTON MILLS, INC.,	Lexington, N. C.	96
Dallas Mfg. Co.,	Huntsville, Ala.	1419
Dana Warp Mills,	Westbrook, Maine.	60
Danielson Cotton Mills,	Danielson, Ct.	140
Darlington Mfg. Co.,	Darlington, S. C .	592
Davol Mills,	Fall River, Mass.	202
Deavitt Mfg. Co.,	Uxbridge, Mass.	8
Dixie Cotton Mills,	LaGrange, Ga.	32
Draper, Gen. W. F.	Hopedale, Mass.	4
Drayton Mills,	Spartanburg, S. C.	502
Dunbarton Flax Spinning Co.,	Greenwich, N. Y.	1
Durham Cotton Mfg. Co.,	West Durham, N. C.	300
Dwight Mfg. Co.,	Chicopee, Mass.	1190
Dwight Mfg. Co.,	Alabama City, Ala.	600
EAGLE MILLS,	Woonsocket, R. I.	8
Eagle & Phenix Mills,	Columbus, Ga.	352
Easley Cotton Mills,	Easley, S. C.	1020
Eastman Cotton Mills,	Eastman, Ga.	150
Echota Cotton Mills,	Calhoun, Ga.	120
Edwards Mfg. Co.,	Augusta, Maine.	908
Ella Mfg. Co.,	Shelby, N. C.	126
Eno Cotton Mills,	Hillsboro, N. C.	232
Entwistle Mfg. Co.,	Rockingham, N. C.,	500
Erwin Cotton Mills,	Cooleemee, Duke and West Durham, N. C.	4197
Eureka Cotton Mills,	Lancaster, S. C.	500
Everett Mills,	Lawrence, Mass.	3000
Exeter Mfg. Co.,	Exeter, N. H.	106
Exposition Cotton Mills,	Atlanta, Ga.	550
FAIRFIELD COTTON MILLS,	Winnsboro, S. C.	190
Fairmont Mfg. Co.,	Fairmont, S. C.	300
Falls Company,	Norwich, Conn.	61
Farnum, John & Co.,	Lancaster, Pa.	26
Farr Alpaca Co.,	Holyoke, Mass.	54
Farwell Mills,	Lisbon, Maine.	181
Firth, William,	Boston, Mass.	1
Florence Mills,	Forest City, N. C.	200
Fountain Inn Mfg. Co.,	Fountain Inn, S. C.	700
Franklin Mills,	Greers, S. C.	24
Franklinsville Mfg. Co.,	Franklinville, N. C.	6
Fulton Bag & Cotton Mills,	Atlanta, Ga.	1691
GAFFNEY MFG. CO.,	Gaffney, S. C.	1580
Gainesville Cotton Mills,	Gainesville, Ga.	1220
Gary, James S. & Sons,	Alberton, Md.	88
Gaston Mfg. Co.,	Cherryville, N. C.	48
Georgia School of Technology,	Atlanta, Ga.	8
Gibson Mfg. Co.,	Concord, N. C.	6
Glenn-Lowry Mfg. Co.,	Whitmire, S. C.	899
Glen Raven Cotton Mills,	Burlington, N. C.	100
Glenola Cotton Mills,	Eufaula, Ala.	40
Glenwood Cotton Mills,	Easley, S. C.	116
Globe Mfg. Co.,	Gaffney, S. C.	82
Gosnold Mills Corp.,	New Bedford, Mass.	660
Granby Cotton Mills,	Columbia, S. C.	1014
Granite Linen Co.,	Wortendyke, N. J.	24
Granite Mills,	Fall River, Mass.	1
Graniteville Mfg. Co.,	Graniteville and Vaucluse, S. C.	954
Great Falls Mfg. Co.,	Somersworth, N. H.	1138
Great Falls Mfg. Co.,	Rockingham, N. C.	172
Greenwood Cotton Mills,	Greenwood, S. C.	412
Greers Mfg. Co.,	Greers, S. C.	280
Grendel Mills,	Greenwood, S. C.	1042
Greylock Mills,	Williamstown, Mass.,	14
Grinnell Mfg. Corp.,	New Bedford, Mass.	341
Grosvenor-Dale Co.,	No. Grosvenor-Dale, Conn.	3822
HAMILTON MFG. CO.,	Lowell, Mass.	372
Hamilton Woolen Co.,	Amesbury, Mass.,	1
Hamlet Textile Co.,	Woonsocket, R. I.	56
Hamrick Mills,	Gaffney, S. C.	624
Hannah Pickett Mills,	Rockingham, N. C.,	400
Harmony Grove Mills,	Harmony Grove, Ga.	444
Hartsville Cotton Mills,	Hartsville, S. C.	880

Name.	Location.	Quantity
Hathaway Mfg. Co.,	New Bedford, Mass.	401
Hartwell Mills,	Hartwell, Ga.,	116
Henderson Cotton Mills,	Henderson, N. C.	84
Henrietta Mills,	Henrietta, N. C.	379
High Shoals Company,	High Shoals, N. C.	64
Hill Mfg. Co.,	Lewiston, Maine.	332
Home Cotton Mills,	St. Louis, Mo.	722
Hope Company,	Hope, R. I.	1268
IMPERIAL COTTON MILLS,	Eatonton, Ga.	150
Indian Head Mills of Ala.,	Cordova, Ala.	416
Indiana Cotton Mills,	Cannelton, Indiana,	36
Interlaken Mills,	Arkwright, R. I.,	16
International Cotton Mills Corp.,	Manchester, N. H. and Tallassee, Ala.	1816
Irving Mfg. Co.,	Staten Island, N. Y.,	6
JACKSON COMPANY,	Nashua, N. H.	623
Jackson Fibre Co.,	Jackson, Tenn.,	1570
Jackson Mills,	Iva, S. C.	640
Johnson & Johnson,	N w Brunswick, N. J.	655
Jonesville Mfg. Co.,	Jonesville, S. C.	400
KANSAS CITY COTTON MILLS CO.,	Kansas City, Mo.	236
Keasbey & Mattison Co.,	Ambler, Pa.	14
Kesler Mfg. Co.,	Salisbury, N. C.	306
Kincaid Mfg. Co.,	Griffin, Ga.	250
King, John P., Mfg. Co.,	Augusta, Ga.	1600
King Philip Mills,	Fall River, Mass.	28
Knight, B. B. & R.	Providence, R. I.	3616
LANCASTER MILLS,	Clinton, Mass.	418
Lane Cotton Mills Co.,	New Orleans, La.,	514
Lanett Cotton Mills,	West Point, Ga.	1180
Laurens Cotton Mills,	Laurens, S. C.	1184
Lawrence Duck Co.,	Lawrence, Mass.	38
Lawrence Industrial School,	Lawrence, Mass.	2
Limestone Mills,	Gaffney, S. C.	640
Little Androscoggin Water Power Co., Barker Mills,	Auburn, Maine,	272
Lockhart Mills,	Lockhart, S. C.	1604
Lockwood Company,	Waterville, Maine.	1851
Lois Cotton Mills,	Douglasville, Ga.	500
Lonsdale Company,	Lonsdale, R. I.	3726
Loray Mills,	Gastonia, N. C.	1690
Lorraine Mfg. Co.,	Pawtucket, and Saylesville, R. I.	206
Lowe Mfg. Co.,	Huntsville, Ala.,	100
Lowell Textile Co.,	Lowell, Mass.	52
Lowell Textile School,	Lowell, Mass.	3
Lydia Cotton Mills,	Clinton, S. C.	154
Lyman Mills,	Holyoke, Mass.	1
Lynchburg Cotton Mills,	Lynchburg, Va.	161
MANCHESTER COTTON MILLS,	La Grange, Ga.	580
Manchester Cotton Mills,	Rock Hill, S. C.,	86
Manville Co.,	Woonsocket and Georgiaville, R. I.	2105
Maplecroft Mills,	Liberty, S. C.,	200
Marion Mfg. Co.,	Marion, N. C.	300
Martinsville Cotton Mill Co.,	Martinsville, Va.	444
Mass. Inst. of Technology,	Boston, Mass.	1
Massachusetts Cotton Mills,	Lowell, Mass.	1955
Massachusetts Mills in Georgia,	Lindale, Ga.	2361
Mays Landing Water Power Co.,	Mays Landing, N. J.	519
Mecklenburg Mfg., Co.,	Charlotte, N. C.	300
Meredith Linen Co.,	Meredith, N. H.	42
Merchants Mfg. Co.,	Fall River, Mass.,	102
Meridian Cotton Mills,	Meridian, Miss.	148
Merrimack Mfg. Co.,	Huntsville, Ala.	2219
Merrimack Mfg. Co.,	Lowell, Mass.	916
Meritas Mills,	Columbus, Ga.,	170
Methuen Company,	Methuen, Mass.	154
Middleburg Mills,	Batesburg, S. C.	48
Mills Mfg. Co.,	Greenville, S. C.	816
Millville Mfg. Co.,	Millville, N. J.	1057
Miss. Agricultural College,	Agri. College, Miss.	2
Mollohon Mfg. Co.,	Newberry, S. C.	416
Monadnock Mills,	Claremont, N. H.	24
Monaghan Mills,	Greenville, S. C.	1262
Monarch Cotton Mills,	Union, S. C.	1000
NANTUCKET MILLS,	Spray, N. C.	32
Naomi Falls Mfg. Co.,	Randleman, N. C.,	4
Nashawena Mills,	New Bedford, Mass.,	1182
Neild Mfg. Co.,	New Bedford, Mass.,	320
Nashua Mfg. Co.	Nashua, N. H.	770
National Machinery Co.,	Providence, R. I.	1
Naumkeag Steam Cotton Co.,	Salem, Mass.	1407
Neuse River Mills,	Raleigh, N. C.	176
New Bedford Textile School,	New Bedford, Mass.	2
Newmarket Mfg. Co.,	Newmarket, N. H.	474

Name.	Location.	Quantity
New York Mills,	New York Mills, N. Y.	208
Nightingale Mills,	Putnam, Conn.	14
Ninety Six Cotton Mills,	Ninety Six, S. C.	527
Nockege Mills,	Fitchburg, Mass.	13
Nokomis Cotton Mills,	Lexington, N. C.	372
Norris Cotton Mills,	Cateechee, S. C.	218
No. Andover Silk Mill,	No. Andover, Mass.	4
N. C. College of Agri. & Mech. Arts,	West Raleigh, N. C.	4
OCONEE MILLS CO.,	Westminster, S. C.	20
Olympia Cotton Mills,	Columbia, S. C.	2403
Orangeburg Mfg. Co.,	Orangeburg, S. C.	392
Orr Cotton Mills,	Anderson, S. C.	1504
Otis Company,	Ware, Mass.	170
Ottaray Mills,	Union, S. C.	50
PACIFIC MILLS,	Lawrence, Mass. and Dover, N. H.	5628
Pacolet Mfg. Co.,	Pacolet, S. C. and Gainesville, Ga.	2928
Palmer Mills,	Three Rivers, Mass.	352
Palmetto Cotton Mills,	Palmetto, Ga.	80
Panola Cotton Mills,	Greenwood, S. C.	250
Parkhill Mfg. Co.,	Fitchburg, Mass.	141
Park Woolen Mills,	Rossville, Ga.	10
Patterson Mfg. Co.,	Kannapolis, N. C.	400
Patterson Mill,	Roanoke Rapids, N. C.	150
Peabody Mills,	Newburyport, Mass.	16
Pell City Mfg. Co.,	Pell City, Ala.	720
Pelzer Mfg. Co.,	Pelzer, S. C.	2990
Pemberton Company,	Lawrence, Mass.	143
Pepperell Mfg. Co.,	Biddeford, Maine.	6110
Philadelphia Textile School,	Philadelphia, Pa.	2
Pickens Mill,	Pickens, S. C.	432
Piedmont Mfg. Co.,	Piedmont, S. C.	1832
Pilot Cotton Mills Co.,	Raleigh, N. C.	198
Pocasset Mfg. Co.,	Fall River, Mass.	223
Poe, F. W. Mfg. Co.,	Greenville, S. C.	1712
Portland Silk Co.,	Middletown, Conn.	1
Potomska Mills Corp.,	New Bedford, Mass.	2
Putnam Mfg. Co.,	Putnam, Conn.	252
QUEEN CITY COTTON CO.,	Burlington, Vt.	1480
Quidnick Mfg. Co.,	Quidnick, R. I.	17
Quinebaug Company,	Danielson, Conn.	700
RAWITZER, S., & Co.,	Hope Valley, R. I.	2
Renfrew Mfg. Co.,	Adams, Mass.	80
Republic Cotton Mills,	Great Falls, S. C.	600
Revolution Cotton Mills,	Greensboro, N. C.	820
Rhode Island School of Design,	Providence, R. I.	1
Richland Cotton Mills,	Columbia, S. C.	312
Riverside & Dan River Cotton Mills, Inc.,	Danville, Va.	2840
Roanoke Mills Co.,	Roanoke Rapids, N. C.	252
Rosemary Mfg. Co.,	Roanoke Rapids, N. C.	564
Royal Bag & Yarn Mfg. Co.,	Charleston, S. C.	94
Royal Cotton Mills,	Wake Forest, N. C.	186
Royal River Mfg. Co.,	Yarmouth, Maine.	40
Rubdry Towel Co.,	Providence, R. I.	2
SALISBURY COTTON MILLS,	Salisbury, N. C.	346
Salmon Falls Mfg. Co.,	Salmon Falls, N. H.	1
Salt's Textile Mfg. Co.,	Bridgeport, Conn.	18
Samoset Company,	Valley Falls, R. I.	81
Sauquoit Spinning Co.,	Utica, N. Y.	1
Saxon Mills,	Spartanburg, S. C.	700
Schwarzenbach, Huber Co.,	West Hoboken, N. J.	2
Scottdale Mills,	Atlanta, Ga.	350
Shetucket Company,	Norwich, Conn.	70
Simpsonville Cotton Mills,	Simpsonville, S. C.	600
Slater Mfg. Co.,	Pawtucket, R. I.	49
Slater, S. & Sons,	Webster, Mass.	260
Smith, J. E., Cotton Mfg. Co.,	Thomson, Ga.	28
Southwark Mills,	Philadelphia, Pa.	4
Spartan Mills,	Spartanburg, S. C.	2590
Spaulding Cotton Mills,	Griffin, Ga.	2
Statesville Cotton Mills,	Statesville, N. C.	180
Steele's Mills,	Rockingham, N. C.	600
Stevens Mfg. Co.,	Fall River, Mass.	1
Stevens, M. T., & Sons Co., Pentucket Mills,	Haverhill, Mass.	1
Stonewall Cotton Mills,	Stonewall, Miss.	181
Strickland Cotton Mills,	Valdosta, Ga.	20
Suncook Mills,	Suncook, N. H.	689
Susquehanna Silk Mills,	Sunbury, Pa.	2
Swift Mfg. Co.,	Columbus, Ga.	1
TARBORO COTTON FACTORY,	Tarboro, N. C.	200
Texas Textile School,	College Station, Texas.	2
Textile Mills Corp.,	New Orleans, La. and Wesson, Miss.	249

Name.	Location.	Quantity
Thistle Mills,	Ilchester, Md.	5
Thomaston Cotton Mills,	Thomaston, Ga.	260
Thompson, James & Co.,	Valley Falls, N. Y.	12
Thorndike Company,	Thorndike, Mass.	360
Totokett Mills Co.,	Norwich, Conn.	218
Toxaway Mills,	Anderson, S. C.	484
Travora Mfg. Co.,	Graham, N. C.	1
Tremont & Suffolk Mills,	Lowell, Mass.	2008
Trion Mfg. Co.,	Trion, Ga.	1243
Tucapau Mills,	Tucapau, S. C.	1769
UNCASVILLE MFG. CO.,	Versailles, Conn.	20
Union-Buffalo Mills Co.,	Union, S. C.	2132
U. S. Bunting Co.,	Lowell, Mass.	64
United States Cotton Co.,	Central Falls, R. I.	1600
Utica Steam & Mohawk Valley C.M.,	Utica, N. Y.	653
VICTOR MFG. CO.,	Greers, S. C.	1512
Victory Mfg. Co.,	Fayetteville, N. C.	430
WALHALLA COTTON MILLS,	Walhalla, S. C.	120
Wamsutta Mills,	New Bedford, Mass.	271
Ware Shoals Mfg. Co.,	Ware Shoals, S. C.	1415
Warren Cotton Mills,	West Warren, Mass.	79
Warren Mfg. Co.,	Warrenville, S. C.	1000
Washington Mills,	Fries, Va.	1400
Wauregan Co.,	Wauregan, Conn.	182
Wennonah Cotton Mills,	Lexington, N. C.	100
Westboro Weaving Co.,	Westboro, Mass.	1
Whitaker, Wm., & Sons,	Philadelphia, Pa.	1
White, N. D., & Son,	Winchendon Springs, Mass.	21
Whitman Mills,	New Bedford, Mass.	843
Whitney Mfg. Co.,	Whitney, S. C.	652
Whittenton Mfg. Co.,	Taunton, Mass.	141
Williamson, James N., & Sons Co.,	Burlington, N. C.	168
Woodruff Cotton Mills,	Woodruff, S. C.	910
Woodside Cotton Mills,	Greenville, S. C.	1124
Wuskanut Mills,	Farnumsville, Mass.	260
YORK COTTON MILLS.	Yorkville, S. C.	160
York Mfg. Co.,	Saco, Maine.	2130
	Total,	200,747

We shipped in 1909 and 1910

45,244 NORTHROP LOOMS.

Our unfilled orders January 1, 1911, were for

10,662 NORTHROP LOOMS.

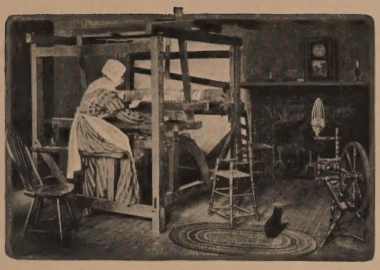
We received orders during the five weeks ending February 4th, 1911, for

10,128 NORTHROP LOOMS.

Total orders for 1911, to and including February 4th,

20,790 NORTHROP LOOMS.

COTTON CHATS



DRAPER COMPANY HOPEDALE MASS.

NO. 100. FEBRUARY, 1911.

200,000 PEOPLE KILLED PER ANNUM IN THIS COUNTRY BY CONSUMPTION.

The above estimate is furnished by the National Association for the Study and Prevention of Tuberculosis and in view of their available statistics is admitted to be conservative. Consumption usually attacks people in the prime of life and of wage earning years. Valuing a human life at the usual figure of $5,000, the **annual loss** to the country **in direct assets** as a result of this disease is the enormous sum of

$1,000,000,000.

This represents the annual appropriations of a "Billion Dollar Congress," including pensions, battleships, all government expenses, etc. Furthermore, the annual cost of nursing, doctoring, care, loss of wages, etc., amounts to many millions of dollars in addition. The state of Massachusetts in 1895 passed a bill to establish a so-called "Massachusetts Hospital for Consumptives and tubercular patients."

This was the first instance in America of the foundation of a state hospital for the treatment of tuberculosis. Since that time several states have taken

similar action and millions of dollars are invested in such institutions.

More than ten per cent. of the total deaths of the country are from consumption.

Contrary to the old theory this disease is not to any large extent hereditary; people are not born predestined to consumption, but it is distinctly a germ disease, usually transmitted from the mouth or throat of one person to another.

Certain trades or vocations have always been specially unfortunate in providing victims of consumption. Among such vocations, that of the weaver carries unusual risk in the process of threading the shuttles. In this process the mouth is applied to the eye of the shuttle and the filling is sucked through; generally it stops in the mouth but it sometimes goes farther. The same shuttle is frequently threaded by different persons, affording ample opportunity to transfer germs of all kinds from one mouth to another. In a cotton mill on plain goods and medium numbers, a weaver threads the shuttle of one loom about 100 times per day. An eight loom weaver would therefore perform the operation 800 times per day; in a year of 300 days this would be **240,000 times;** or in round numbers **over two hundred thousand chances per annum of inhaling germs of consumption.**

THE KISS OF DEATH!

We submit quotations from recent articles on this subject.

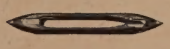
Against the will of some of their employers, Lancashire weavers continue to "kiss the shuttle" and to prefer this primitive means of shuttle-threading to any other. The dangers have been so often expounded before that the death of three weavers at Bacup will possibly make no difference. Each had worked at the same set of looms, each had kissed her shuttles regularly and each died of consumption. This may have been cause and effect, or mere coincidence. At all events the medical man regarded the affair with enough suspicion to ask to be permittted to sterilize the shuttles in that mill and the permission was promptly granted. The facts will presumably catch the eye of those who are organizing campaigns against consumption.

English Correspondent of Textile World Record.

Weaving is one of the industrial processes which have not changed except in a few details from the prehistoric times of the first weavers, and as a proof of this we note that an acute controversy is going on in the North of England textile districts as to certain diseases arising from what is known as "shuttle-kissing."

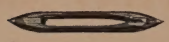
This practice is due to the fact that the end of the weft thread has to be passed through a hole in the side of the shuttle, exactly as an ordinary sewing thread is passed through the eye of a needle, and the manner of doing this is for the weaver to apply his lips to the hole and in that way to suck the end of the thread through. This sucking is sometimes done by the weaver himself and sometimes by his "tenter," or assistant. It is obvious that in case either of the operatives is suffering from tuberculosis or possibly some other infectious disease such infection may easily be conveyed by the medium of the shuttle from the one to the other.

More than this, the yarn as wound on the bobbin which rests in the shuttle is covered with fluff, which accumulates in the eye of the shuttle, and is inspired when the end of the thread is sucked through, thus setting up pulmonary irritation; and in addition to the irritation caused by the fluff the weft is stated to be treated with china clay and sizing, the latter containing poisonous substances, and particles of both are inhaled in the same way. In the case of colored fabrics the dyes are an additional source of danger.—*The London Lancet.*



NORTHROP LOOM WEAVERS EXEMPT.

It is a well known fact that the Northrop loom provided with self-threading shuttles absolutely removes the "shuttle-kissing" danger from the weaver's vocation. This means that thousands of weavers are enjoying better health and that a very considerable number have had their lives prolonged by our improvements.



AN OUNCE OF PREVENTION IS WORTH A POUND OF CURE.

In our Cotton Chats of January, 1911, we gave a list of Northrop Looms ordered up to January 1. There are thousands of common looms still in use that ought to be replaced by Northrop looms.

We are prepared to furnish looms for weaving practically all classes of cotton goods that can be woven by one shuttle.

The replacement of common looms by Northrop Looms pays the mill owners a large return on the investment and at the same time renders the weaver's vocation less dangerous to health and usually with increased returns in the pay envelope.